

Amendments to the Drawings:

Formal drawings are provided for Figs. 1-10.

Attachment: Replacement Sheets

REMARKS

Claims 1-32 are pending in this application. By this Amendment, claims 1, 3, 6, 11, 13, 16, 21, 23, 26, 28, 31, and 32 are amended. The specification has been amended to correct minor informalities found therein, such as changing reference character "1c" to "11c" in agreement with Fig. 2 of the drawings. Also, formal drawings are provided for Figs. 1-10.

Applicant appreciates the indication in paragraph 4, on page 7 of the Office Action, that claims 3-5 and 13-15 are allowable if rewritten into independent form including all the features of the base claim and any intervening claims. Accordingly, claims 3 and 13 have been amended into independent form including all of the features of the base claim and any intervening claim. Thus, Applicant respectfully submits that claims 3-5 and 13-15 are allowable. Applicant also respectfully submits that claims 1, 2, 6-12, and 16-32 are also allowable for the reasons discussed below.

In paragraph 1, on page 2 of the Office Action, claims 1, 6-9, 11, 16-19, 21, 23-26, and 28-32 are rejected under 35 U.S.C. §102(a) over Japanese Application No. 2002-124960 to Kentaro (hereinafter "Kentaro"). The rejection is respectfully traversed.

Kentaro fails to disclose that the second communication system being configured to share all constituent elements other than an antenna with the first communication system, as recited in independent claims 1, 11, 21, 26, 31, and 32.

The communication system 1 described by Kentaro includes a communication device 2 and a communication device 3 (Abstract). The data is transmitted or received via a radio communication link A conforming to the Bluetooth® standard and an infrared communication link B between communication devices 2, 3 (Abstract; Fig. 1). The communication device 2 transmits original encryption information retained in a memory 22 to the communication device 3 via the infrared communication link B, and the communication device 3 retains the transmitted original encryption information in a memory 32 (Abstract;

paragraphs [0007]-[0008]). The encryption key information is transmitted by the second means of communication, which is by means of the infrared communication link B (paragraph [0008]). Information that is encrypted based on the original encryption information in memory 22 of communication device 2 is transmitted via the radio communication link A (paragraph [0008]; Fig. 1). However, the second communication system of Kentaro is not configured to share constituent elements other than an antenna with the first communication system of Kentaro.

Applicant's wireless communication system, on the other hand, includes a second communication system that is configured to share all constituent elements other than an antenna with the first communication system (see Figs. 1 and 6 of the specification). For example, as shown in Fig. 1, the second communication system is configured to share all constituent elements other than an antenna (that is, the antenna switching unit, RF module, CPU, ROM, RAM, display unit, HDD, operation system, and system bus) with the first communication system. Kentaro fails to disclose or suggest these features.

With respect to claims 6, 16, 23, and 28, Applicant respectfully submits that the Examiner has misunderstood the subject matter of these claims. In particular, in a public encryption system, the ciphering data and the deciphering data are different, as described in lines 1-5 of paragraph [0005] of the specification. Accordingly, claims 6, 16, 23, and 28 have been amended to clarify the relationship between the ciphering data, deciphering data, and encrypted data by replacing the terms "ciphering data" and "deciphering data" with the terms "encrypting key" and "decrypting key", respectively. Support for the amendments to claims 6, 16, 23, and 28 are found, for example, in paragraphs [0043], [0072], [0090], [0103], and [0135] of the specification.

Applicant respectfully submits that Kentaro fails to disclose the subject matter as recited in claims 6, 16, 23, and 28. Specifically, Kentaro does not disclose or suggest that the

encrypting key is identical to the decrypting key, as recited in amended claims 6, 16, 23, and 28.

Thus, Kentaro does not disclose each and every feature of claims 1, 11, 21, 26, 31, and 32 and the rejection under 35 U.S.C. §102 is inappropriate. Further, for the reasons discussed, Kentaro does not suggest the subject matter of claims 1, 11, 21, 26, 31, and 32.

Because Kentaro does not anticipate or suggest the subject matter of claims 1, 11, 21, and 26, Kentaro cannot anticipate or suggest the subject matter of claims 6-9, which depend from claim 1, the subject matter of claims 16-19, which depend from claim 11, the subject matter of claims 23-25, which depend from claim 21, and the subject matter of claims 28-30, which depend from claim 26, for the reasons discussed with respect to claims 1, 11, 21, and 26 and for the additional features recited therein. It is respectfully requested that the rejection be withdrawn.

In paragraph 2, on page 5 of the Office Action, claims 10 and 20 were rejected under 35 U.S.C. §103(a) over Kentaro in view of Nakamura et al. (Nakamura), U.S. Patent No. 6,457,126. The rejections is respectfully traversed.

Nakamura fails to overcome deficiencies of Kentaro as applied to claims 1 and 11.

Because neither of the references nor the combination thereof disclose or suggest the features of claims 1 and 11, the references cannot render obvious the subject matter of claim 10, which depends from claim 1, and the subject matter of claim 20, which depends from claim 11, for the reasons discussed with respect to claims 1 and 11 and for the additional features recited therein. Thus, it is respectfully requested that the rejection be withdrawn.

In paragraph 3, on page 6 of the Office Action, claims 2, 12, 22, and 27 were rejected under 35 U.S.C. §103(a) over Kentaro in view of Williams et al. (Williams), U.S. Patent No. 6,842,617. The rejection is respectfully traversed.

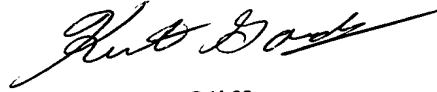
Williams fails to overcome deficiencies of Kentaro as applied to claims 1, 11, 21, and 26.

Because neither of the references nor the combination thereof disclose or suggest the features of claims 1, 11, 21, and 26, the references cannot render obvious the subject matter of claim 2, which depends from claim 1, the subject matter of claim 12, which depends from claim 11, the subject matter of claim 22, which depends from claim 21, and the subject matter of claim 27, which depends from claim 26, for the reasons discussed with respect to claims 1, 11, 21, and 26 and for the additional features recited therein. Thus, it is respectfully requested that the rejection be withdrawn.

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1-32 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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JAO:KPG/tbm

Attachment:

Replacement Drawing Sheets
Petition for Extension of Time
Amendment Transmittal

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